### **SCENARIO**

Without warning, the main water supply line to the hospital breaks, disrupting water service to the entire facility. The hospital's water systems, including potable water supply are non-functional. Local water sources and vendors are not impacted. Services, including food and radiology, are disrupted. Toilets and hand washing areas are not functioning and alternate methods must be provided

Utility workers expect to repair the damage and restore water service to the hospital within 10-12 hours.



#### INCIDENT PLANNING GUIDE

### Does your Emergency Management Plan Address the following issues?

### Mitigation & Preparedness

- Does your hospital Emergency Management Plan include triggers or criteria for activation of the Emergency Operations plan and the Hospital Command Center?
- 2. Does your hospital have a plan for loss of water to the facility and sustaining operations?
- 3. Does your hospital have MOUs and/or contracts for provision of potable water?
- 4. Does your hospital have a process for determining the impacts of the loss of water on clinical operations (i.e., surgery schedule, outpatient services, etc.) and infrastructure systems?
- 5. Does your hospital have a plan and systems to connect to alternate water sources to support fire suppression, waste water and cooling systems?
- 6. Does your hospital have procedures to communicate situation and safety information to staff, patients and families?
- 7. Does your hospital have procedures to evaluate need for and obtain additional staff?
- 8. Does your hospital have procedures to establish portable toilets and hand washing stations throughout the facility?
- 9. Does your hospital have procedures to evaluate need for and obtain additional staff?
- Does your hospital have a process to determine the need for partial or complete evacuation of the facility?
- 11. Does your hospital have a procedure for rationing potable water, if necessary?
- Does your hospital have a plan for communicating water conservation measures to employees and patients?
- 13. Does your hospital have a plan to provide regular media briefings and updates?
- Does your hospital have a plan to communicate with local emergency management and water company about the situation and request assistance?

#### **Response and Recovery**

- 1. Does your hospital have procedures for providing regular situation status updates to the local emergency management agency and water company?
- 2. Does your hospital have a process to evaluate the short and long-term impact of the loss of water on the patients, staff and facility?
- Does your hospital have a process to determine the need for canceling elective procedures and surgeries and other non-essential hospital services (i.e., gift shop) and activities (i.e., conferences, meetings)?



#### INCIDENT PLANNING GUIDE

- 4. Does your hospital have criteria and a process to determine the need for complete or partial evacuation of the facility?
- 5. Does your hospital have a process to assess patients for early discharge to decrease patient census?
- 6. Does your hospital have a plan to provide staff information on the situation and emergency and water conservation measures to implement?
- 7. Does your hospital have procedures to notify patient's family members of the situation?
- 8. Does your hospital have a process to cancel non-essential functions (e.g., meetings, conferences, gift shop, etc.)?
- 9. Does your hospital have a process to determine the need to limit patient visitation?
- Does your hospital have a plan to document actions, decisions and activities and track response expenses and lost revenues?
- Does your hospital have procedures to provide accurate and timely briefings to staff, patients, families, and area hospitals during extended operations?
- 12. Does your hospital plan for demobilization and system recovery during response?
- Does your hospital have a facility and departmental business continuity plans? Do these plans address the need for alternate service providers for critical hospital functions (e.g. radiology, laboratory, etc)?
- Does your hospital have a plan to conduct regular media briefings, in collaboration with the local emergency management agency?
- Does your hospital have procedures for restoring normal facility visitation, and non-essential service operations (e.g., gift shop, conferences, etc.)?
- 16. Does your hospital have procedures for repatriation of patients that were transferred or evacuated?
- Does your hospital have procedures for after action reporting and developing an improvement plan?



## **INCIDENT RESPONSE GUIDE**

**Mission:** To effectively and efficiently manage the effects of a loss of water in the facility.

Directions					
	Read this entire response guide and review incident management team chart.				
	Use this response guide as a checklist to ensure all tasks are addressed and completed.				
Objec	tives				
	Conser	onserve water and restore water supply			
	Identify	y and obtain alternate sources of potable water			
	Maintai	in patient care management			
	Monitor	or heating and cooling systems			
Imme	diate (O	perational Period 0-2 Hours)			
	COMM	AND			
	(Incider	nt Commander):			
		Activate the facility Emergency Operations Plan			
		Activate Command Staff and Section Chiefs, as appropriate			
	□ Establish incident objectives and operational period				
	(Liaisor	Liaison Officer):			
	<ul> <li>Notify local emergency management of hospital situation status, critical issues and til for water service repairs and restoration</li> </ul>				
		Notify the water utility and outside agencies of water loss and estimated time for water main repair and restoration of service			
		Notify local EMS and ambulance providers about the situation and possible need to evacuate			
		Communicate with other healthcare facilities to determine:			
		Situation status			
		Surge capacity			
		Patient transfer/bed availability			
		Ability to loan needed equipment, supplies, medications, personnel, etc.			
		Contact the Regional Hospital Coordination Center, if exists, to notify about the situation and request assistance with patient evacuation destinations			



COMMAND					
	(Public Information Officer):				
		Inform staff, patients and families of situation and measures to conserve water and protect life			
		Prepare media staging area			
		Conduct regular media briefings, in collaboration local emergency management, as appropriate			
	(Safety	Officer):			
		Evaluate safety of patients, family, staff and facility and recommend protective and corrective actions to minimize hazards and risks			
	OPER#	ATIONS			
		Determine loss of water impact on systems and patients			
		Estimate potable and non-potable water usage and needs and collaborate with Logistics Section and Liaison Officer to obtain back up supplies			
		Access alternate sources of water to provide for fire suppression, HVAC system and other critical systems, as able			
		Institute rationing of water, as appropriate			
		Initiate water conservation measures			
		Assess patients for risk and prioritize care and resources, as appropriate			
		Monitor infection control practices			
		Provide alternate toilet and hand washing facilities			
		Secure the facility and implement limited visitation policy			
		Ensure continuation of patient care and essential services			
		Consider partial or complete evacuation of the facility, or relocation of patients and services within the facility			
		Activate facility and impacted departmental business continuity plans			
	PLANN	IING			
		Establish operational periods, incident objective and develop the Incident Action Plan, in collaboration with the Incident Commander			
		Prepare for patient and personnel tracking in the event of evacuations			



	LOGISTICS					
		Maintain other utilities and activate alternate systems as needed				
		Investigate and provide recommendations for alternate water supplies, including potable water				
		Assist with rationing water, as appropriate				
		Obtain supplemental staffing, as needed				
		Prepare for transportation of evacuated patients, if activated				
		Oversee and conduct water main repairs and restoration of services				
Intern	nediate :	and Extended (Operational Period 2 hours to Greater than 12 Hours)				
	СОММ	AND				
	(Incide	(Incident Commander):				
		Update and revise the Incident Action Plan and prepare for demobilization				
		Continue to update internal officials on the situation status				
		Monitor evacuation				
	(PIO):					
		Continue with briefings and situation updates with staff, patients and families				
		Continue patient information center operations, in collaboration with Liaison Officer				
		Assist with notification of patient's families about situation and evacuation, if activated				
	(Liaison Officer):					
		Continue to notify local EOC of situation status, critical issues and request assistance, as needed				
		Continue to communicate with local utilities incident details and duration estimates				
		Continue patient information center operations, in collaboration with PIO				
		Continue communications with area hospitals and facilitate patient transfers				
	(Safety	Officer):				
		Continue to evaluate facility operations for safety and hazards and take immediate corrective actions				



	OPERA	PERATIONS				
		Continue evaluation of patients and patient care				
		Cancel elective surgeries and procedures				
		Prepare the staging area for patient transfer/evacuation				
		Initiate ambulance diversion procedures				
		Continue or implement patient evacuation				
		Ensure the transfer of patient's belongings, medications and records upon evacuation				
		Continue to ration water, especially potable water, as appropriate				
		Maintain facility security and restricted visitation				
		Continue to maintain other utilities				
		Monitor patients for adverse affects of heath and psychological stress				
		Prepare demobilization and system recovery plan				
	PLANN	IING				
		Continue patient, bed and personnel tracking				
		Update and revise the Incident Action Plan				
		Prepare the demobilization and system recovery plans				
		Plan for repatriation of patients				
		Ensure documentation of actions, decisions and activities				
	LOGIS	TICS				
		Continue with nutritional, sanitation, and HVAC support and operations				
		Contact vendors to provide emergency potable and non-potable water supplies and portable toilets				
		Monitor the impact of the loss of water on critical areas				
		Continue to provide staff for patient care and evacuation				
		Monitor staff for adverse affects of heath and psychological stress				
		Monitor, report, follow up on and document staff or patient injuries				
		Continue to provide transportation services for internal operations and patient evacuation				



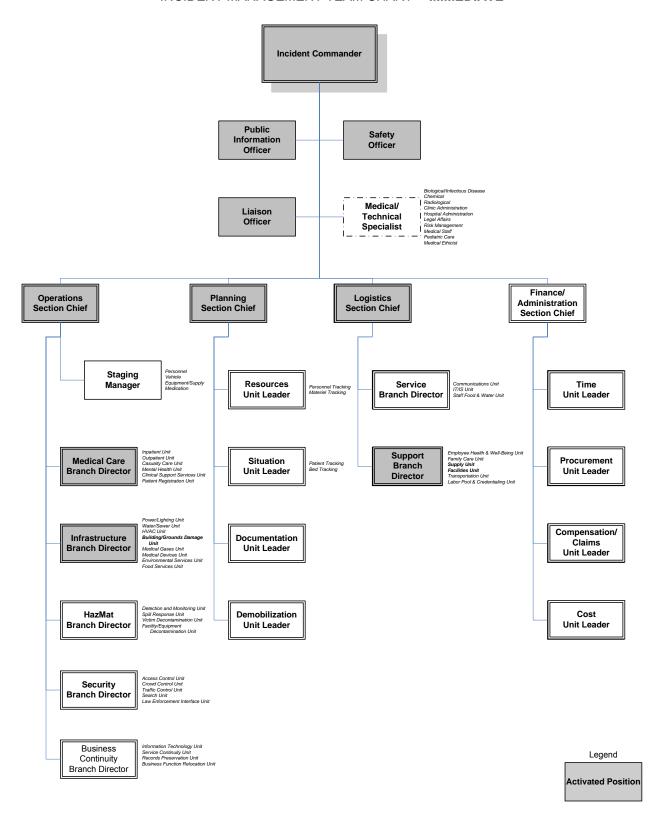
	FINANCE/ADMINISTRATION				
		Continue to track costs and expenditures and lost revenue			
		Continue to facilitate contracting for emergency repairs and other services			
Demo	bilizatio	on/System Recovery			
	COMMAND				
	(Incide	(Incident Commander):			
		Determine hospital status and declare restoration of normal water services and termination of the incident			
		Notify state licensing, accreditation or regulatory agency of sentinel event			
		Provide appreciation and recognition to solicited and non-solicited volunteers and to state and federal personnel sent to help			
	(Liaison Officer):				
		Communicate final hospital status and termination of the incident to local EOC, area hospital and officials			
		Assist with the repatriation of patients transferred			
	(PIO):				
		Conduct final media briefing and assist with updating staff, patients, families and others of the termination of the event			
	(Safety Officer):				
		Ensure facility safety and restoration of normal operations			
	OPER/	ATIONS			
		Confirm water restoration plan with local water authority and complete bacteriological testing and final potable water safety verification			
		Restore normal patient care operations			
		Ensure restoration of water and other infrastructure (i.e., HVAC)			
		Repatriate evacuated patients			
		Discontinue ambulance diversion and visitor limitations			



	PLANNING				
		Finalize the Incident Action Plan and demobilization plan			
		Compile a final report of the incident and hospital response and recovery operations			
		Ensure appropriate archiving of incident documentation			
		Conduct after-action reviews and debriefing			
		Write after-action report and corrective action plan for approval by the Incident Commander to include the following:			
		Summary of actions taken			
		Summary of the incident			
		Actions that went well			
		Area for improvement			
		Recommendations for future response actions			
	LOGIS	TICS			
		Perform evaluation and preventative maintenance on emergency generators and ensure their readiness			
		Restock supplies, equipment, medications, food and water			
		Ensure communications and IT/IS operations return to normal			
		Conduct stress management and after-action debriefings and meetings, as necessary			
	FINAN	CE/ADMINISTRATION			
		Compile a final report of response costs and expenditures and lost revenue for approval by the Incident Commander			
		Contact insurance carriers to assist in documentation of structural and infrastructure damage and initiate reimbursement and claims procedures			
Docui	ments a	nd Tools			
	Hospita	l Emergency Operations Plan			
	Hospita	Hospital Loss of Water Plan			
	Hospital Loss of Sewer Plan				
	Hospital Loss of HVAC Plan				
П	Facility	and Departmental Business Continuity Plans			

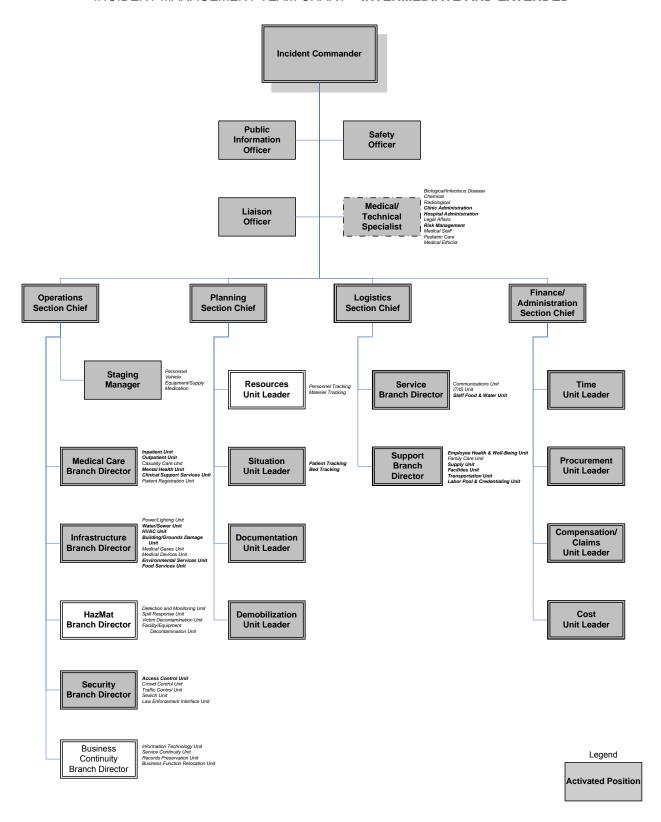


#### INCIDENT MANAGEMENT TEAM CHART -- IMMEDIATE





#### INCIDENT MANAGEMENT TEAM CHART - INTERMEDIATE AND EXTENDED





#### INCIDENT MANAGEMENT TEAM CHART - DEMOBILIZATION

